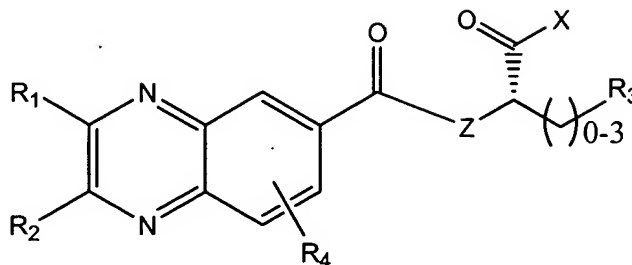


CLAIMS

1. A compound according to Formula 1



Formula 1

wherein

Z is NH or O;

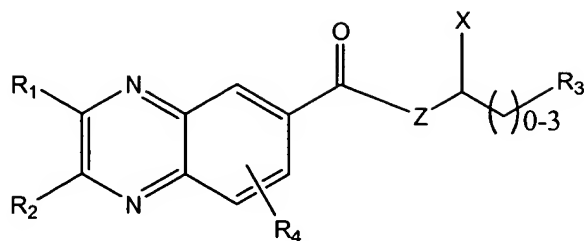
X is selected from OH, NH₂, OR, NHR, NRR, SH, or SR;

R₁ and R₂ are independently selected from H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle, and R₁ and R₂ together with the carbon atoms to which they are attached may form a 5- or 6-membered ring;

R₃ is substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle; and

wherein R and R₄ are independently H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle.

2. A compound according to Formula 2



Formula 2

wherein Z is NH or O;

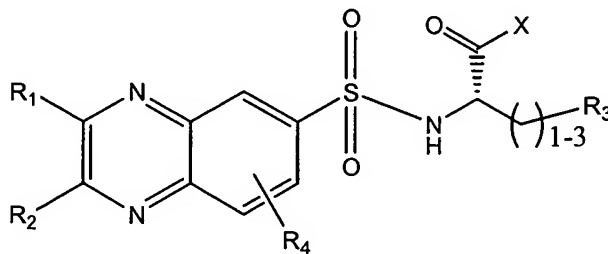
X is CONH₂, COOR, CONHR, CONRR, heterocycle, R, SO₃H, P(O₃H), CH(COOH)₂, CH(PO₃H)₂, tetrazole, or triazole;

R₁ and R₂ are independently selected from H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle, and R₁ and R₂ together with the carbon atoms to which they are attached may form a 5- or 6-membered ring;

R₃ is substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle; and

wherein R and R₄ are independently H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle.

3. A compound according to Formula 3,



Formula 3

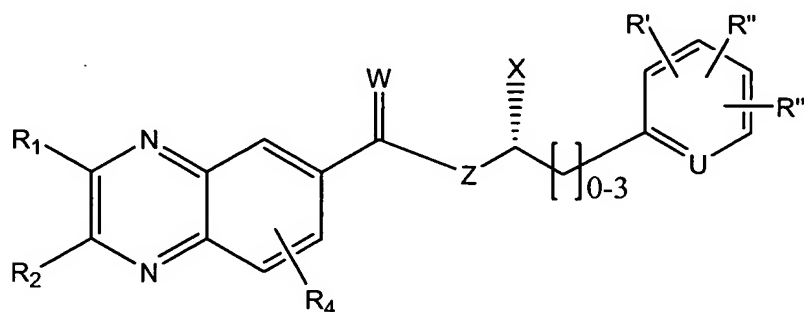
wherein X is NH₂, OR, NHR, NRR, heterocycle, or R;

R_1 and R_2 are independently selected from H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle, and R_1 and R_2 together with the carbon atoms to which they are attached may form a 5- or 6-membered ring;

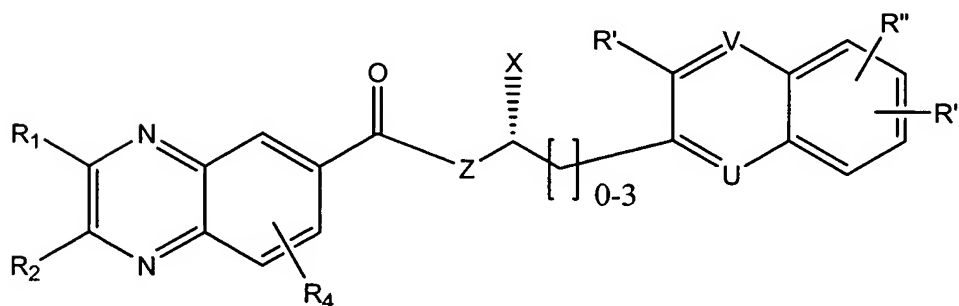
R_3 is substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle; and

wherein R and R_4 are independently H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle.

4. A compound according to Formula 4 or Formula 5



Formula 4



Formula 5

wherein U is selected from CH, CR, COR, CSR, CNHR, CNRR, CNHCH₂COOH, CNHCH₂COOR, CNHCH₂CONH₂, and N;

V is N, CH, or CR;

Z is NH or O;

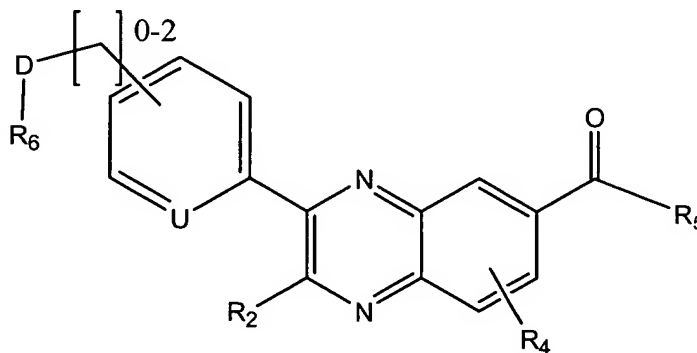
X is COOH, COOR, CONH₂, CONHR, CONRR, or heterocycle;

R₁ and R₂ are independently selected from H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle and fused heterocycle, and R₁ and R₂ together with the carbon atoms to which they are attached may form a 5- or 6-membered ring;

R', R'', R''' are independently H, OH, OR, SH, SR, NH₂, NHR, NRR, NO₂, Cl, F, Br, I, CN, N₃, COR, COOH, COOR, CONH₂, CONHR, CONRR, C(=NH)NHR, CH₂CH₂COOH, OCH₂COOH, NHCONH₂, NHCHO, NHSO₂R, NHCOR, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle; and

wherein R and R₄ are independently H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle.

5. A compound according to Formula 6



Formula 6

wherein U is selected from CH, CR, COR, CSR, CNHR, CNRR, CNHCH₂COOH, CNHCH₂COOR, CNHCH₂CONH₂, or N;

D is O, S, NH, NR, or CRR;

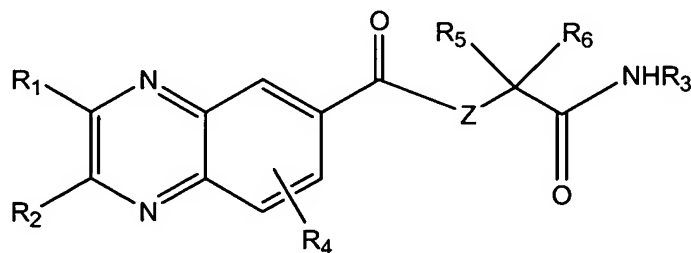
R₅ is H, OH, SH, OR, SR, NH₂, NHR, NRR, O-aryl, or NH-aryl;

R_2 is H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle;

R_6 is H, $\text{CH}_2\text{CH}_2\text{COOH}$, CH_2COOH , substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle; and

wherein R and R_4 are independently H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle.

6. A compound according to Formula 7



Formula 7

wherein Z is NH or O;

R_1 and R_2 are independently selected from H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle;

R_3 is substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle, fused heterocycle, wherein R may further optionally include a COOH group that is covalently coupled to R via zero to three atoms;

R_5 and R_6 are either H, alkyl, or together are connected via an additional 1-4 atoms to form a substituted or unsubstituted cyclic group containing 3-6 atoms; and

wherein R and R_4 are H, substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl, fused aryl, heterocycle or fused heterocycle.

7. A pharmaceutical composition comprising a compound according to any one of claims 1-6, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.
8. A method of treating a viral disease, comprising administering a composition according to claim 7 to a subject in need of such treatment.